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20280	7590	01/30/2008	EXAMINER	
MOTOROLA INC 600 NORTH US HIGHWAY 45 W4 - 39Q LIBERTYVILLE, IL 60048-5343			AMINZAY, SHAIMA Q	
			ART UNIT	PAPER NUMBER
			2618	
			NOTIFICATION DATE	DELIVERY MODE
			01/30/2008	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary

Application No.

09/933,321

Applicant(s)

KAPOOR ET AL.

Examiner

Shaima Q. Aminzay

Art Unit

2618

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11/5/07.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-7 and 16-20 is/are allowed.
- 6) ☒ Claim(s) 8-10 and 12 is/are rejected.
- 7) ☒ Claim(s) 11 and 13-15 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 20 September 2001 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Arguments

Applicant's arguments filed 11/5/2007 have been fully considered.

1. Arguments with respect to Drawings Objections fully considered, but there are not persuasive.

Applicant argues (*Remarks page 7*) that “*According to the original specification, on page 6: 15-18, in one embodiment, the command signal generator comprising a rotational transducer*”, Examiner agrees with the applicant that the specification states that the “command signal generator” comprising a “rotational transducer”, however, Examiner disagrees that “...*which is illustrate in FIG. 3 as described on page 6: 18 – page 8: 3*”, the specification does not specifically refer to designator or clearly shows the “command signal generator” comprising a “rotational transducer” in any of the Figures, for example, in specification page 6, lines 18-23 states “*In FIG. 3, for example, the cassette adapter 300 comprises a rotatable spur gear 302 having conductive portions 304 separated by nonconductive portions 306. First and second slide contacts 308 mounted on some portion of the cassette adapter 300 are biased into contact with the rotatable spur gear 302. As the gear 302 rotates, the conductive portions 304 thereof periodically electrically interconnect the contacts 308 depending on the rotational position of the gear*”, however, the specification does not clearly shows and/or designate the illustrations

of “command signal generator” comprising a “rotational transducer” in any of the inventions Figures, therefore, Drawing Objections maintained.

2. Applicant’s arguments with respect to claims 8-10, and 12, under 35 U.S.C.102(e) Rejection has been fully considered, but they are not persuasive.

The applicant argues (*Remarks pages 7-10*) that the reference Sadler does not teach the features in the claims such as “*An audiocassette adapter for coupling a mobile electronic device to an audiocassette player, comprising: a cassette head coupling device; a mobile electronic device input coupled to the cassette head coupling device; an audiocassette player command signal generator; a control signal output coupled to the audiocassette player command signal generator*”, “*the audiocassette player command signal generator for outputting unique control signals in response to corresponding audiocassette player commands*”, “*the audiocassette player command signal generator comprising a rotational transducer with a transducer output coupled to the control signal output of the audiocassette adapter*”, the Examiner disagrees. Sadler clearly shows that (*e.g., Fig. 1-3*) the audiocassette adapter (50) for connecting the mobile device (12) to an audio cassette player, consists of the cassette head connecting device (60), wherein the mobile device (12) input connected to the cassette head connecting device (60), the audiocassette player command signal generator (84, 70) that generates the audio cassette player command signals such as play-back and other standard functions of cassette player as it is described in applicant’s specification (*e.g. Fig. 5, pg 2, 19-21, 8, 9-16*) “*In FIG. 1, an audiocassette adapter 10 comprises a cassette head coupling device 12, for example a*

stereo audio transducer, for coupling to a cassette player head, or cassette head, as is well known in the art", "FIG. 5 illustrates an exemplary set of unique control signals corresponding to common audiocassette commands, PLAY, FF (Head down) FF (Head up), REWIND (Head up), REWIND (Head down), and STOP/PAUSE, generated by the exemplary rotational transducer and cassette head actuatable switch. These unique signals may be used to control functions of a portable electronic device. A user may thus control a cellular phone or multimedia device with readily accessible audiocassette command controls, for example those on an automobile dashboard" is being combined with the user controlled signals from the mobile, and the audio cassette player command signals generator (84, 70) outputs the specific control responding to the cassette player commands to perform standard functions (e.g. Fig. 3, cl 1, 47-57), and the audio cassette adapter control signal output is coupled with the cassette head actuatable switch (e.g., Fig 3 (T1; T2, 46, 44)).

Further, applicant argues that "Sadler does not include any structure corresponding to the "audiocassette player command signal generator"". Examiner disagrees, Sadler clearly shows the structure corresponding to the audio cassette player command signal generator (84, 70) outputs the specific control responding to the cassette player (e.g., Fig. 1-3, col. 3, 7-11, 24-33, 39-43).

Further, applicant argues that Sadler does not disclose a "rotational transducer". Examiner disagrees, Sadler clearly shows the "rotational transducer" that is well known in the art and it is described in the applicant's specification (e.g. Fig. 5, pg 2, 19-21, 8, 9-12) "In FIG. 1, an audiocassette adapter 10 comprises a cassette head coupling device

12, for example a stereo audio transducer, for coupling to a cassette player head, or cassette head, as is well known in the art", "FIG. 5 illustrates an exemplary set of unique control signals corresponding to common audiocassette commands, PLAY, FF (Head down) FF (Head up), REWIND (Head up), REWIND (Head down), and STOP/PAUSE, generated by the exemplary rotational transducer and cassette head actuatable switch." and the dictionary Wikipedia meaning "a device that receives a signal in the form of one type of energy and converts it to a signal in another form" for example "transducer that converts acoustic energy into electrical impulses", for example Schalk (U.S Patent No. 5,001,585) describes the rotational transducer or head drums (e.g. cl 1, 5-9, 16-29, 42-44) that is used in a tape recorder, the above certainly confirms that Sadler clearly shows the audio cassette heads (e.g. Fig 3(84)) as part of the recording and playing wheels of the cassette player that is well known in the art as the "rotational transducer" and it is included in the signal generator circuit (84, 70) (Sadler, e.g. Abstract: 1-16, cl 1, 47-57).

Drawings Objections

3. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the "command signal generator", and the "rotational transducer" must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to

the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language..

4. Claims 8-10, and 12 are rejected under 35 U.S.C. 102(e) as being anticipated by Sadler (Sadler, U. S. No. Patent No. 6058,319).

Regarding claim 8, Sadler discloses an audiocassette adapter for coupling a mobile electronic device to an audiocassette player (*Figures 1-3, col. 1, lines 5-8, lines 44-57, col. 2, lines 12-16, lines 34-44, lines 64-67, col. 3, lines 1-6, the cassette (audiocassette) adapter (50) for connecting the mobile device (12, mobile electronic device) to an audio cassette player*), comprising: a cassette head coupling device (*e.g. Fig. 3, col. 3, lines 7-11, col. 4, lines 13-21, the cassette head connecting device (60)*); a mobile electronic device input coupled to the cassette head coupling device (*e.g. Fig. 1-3-, col. 2, lines 34-44, 64-67, col. 3, lines 7-11, col. 4, lines 13-21, the mobile device (12) input connected to the cassette head connecting device (60)*); an audiocassette player command signal generator (*e.g., Fig. 1-3, col. 1, lines 50-57, col. 2, lines 56-67, col. 3, lines 7-11, 24-43,*

the audiocassette player command signal generator (84, 70)); a control signal output coupled to the audiocassette player command signal generator (e.g., Fig. 1-3, col. 1, 47-57, col. 2, lines 56-67, col. 3, lines 7-11, 24-33, the audio cassette player command signals such as play-back and other standard functions of cassette player is being combined with the user controlled signals from the mobile).

Regarding claim 9, Sadler teaches all the claimed limitation as recited in claim 8, further, Sadler teaches the audiocassette player command signal generator for outputting unique control signals in response to corresponding audiocassette player commands (e.g., Fig. 1-3, col. 1, 47-57, col. 2, lines 56-67, col. 3, lines 7-11, 24-33, 39-43, the audio cassette player command signals generator (84, 70) outputs the specific control responding to the cassette player).

Regarding claim 10, Sadler teaches all the claimed limitation as recited in claim 8, and further, Sadler teaches the audiocassette player command signal generator (e.g., Fig. 1-3, col. 1, 47-57, col. 2, lines 56-67, col. 3, lines 7-11, 24-33, 39-43) comprising a rotational transducer (e.g. Fig. 3 (84)) with a transducer output coupled to the control signal output of the audiocassette adapter (e.g., Fig. 1-3, col. 1, 47-57, col. 2, lines 56-67, col. 3, lines 7-11, 24-33, 39-43).

Regarding claim 12, Sadler teaches all the claimed limitation as recited in claim 8, further, Sadler teaches the audiocassette player command signal generator (e.g., Fig. 1-3,

col. 1, 47-57, col. 2, lines 56-67, col. 3, lines 7-11, 24-33, 39-43) comprising a cassette head (e.g. Fig. 3 (84)) actuatable switch with a switch output coupled to the control signal output of the audiocassette adapter (e.g., Fig. 3, items 46, 44, T1, T2; and col. 4, lines 36-67, the audio cassette adapter control signal output is coupled with the cassette head actuatable switch (e.g., T1, T2, 46, and 44).

Allowable Subject Matter

5. Claims 1-7 and 16-20 are allowable, and claims 11 and 13-15 are objected.

Claims 11 and 13-15 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The prior art specifically Sadler failed to render obviousness and failed to anticipate the following underlined limitations:

“An audiocassette adapter for coupling a mobile electronic device to an audiocassette player, comprising: a cassette head coupling device; a mobile electronic device input coupled to the cassette head coupling device;
an audiocassette player command signal generator; a control signal output coupled to the audiocassette player command signal generator”, and “the audiocassette player command

signal generator comprising a rotatable spur gear having a conductive portions separated by nonconductive portions, first and second slide contacts contacting the rotatable spur gear” as disclosed in claims 8 and 11.

“An audiocassette adapter for coupling a mobile electronic device to an audiocassette player, comprising: a cassette head coupling device; a mobile electronic device input coupled to the cassette head coupling device;
an audiocassette player command signal generator; a control signal output coupled to the audiocassette player command signal generator”, and “the audiocassette player command signal generator comprising a momentary switch including first and second contacts, one of the first and second contacts disposed on a spring biased cassette head actuatable member” as disclosed in claims 8 and 13.

“An audiocassette adapter for coupling a mobile electronic device to an audiocassette player, comprising: a cassette head coupling device; a mobile electronic device input coupled to the cassette head coupling device;
an audiocassette player command signal generator; a control signal output coupled to the audiocassette player command signal generator”, “the audiocassette player command signal generator comprising an cassette head actuatable switch, the audiocassette player command signal generator comprising a rotational transducer; a logic device having an output coupled to the control signal output; a switch output of the audiocassette player head actuatable switch coupled to an input of the logic device, a transducer output of the

rotational transducer coupled to another input of the logic device”, and “the audiocassette player command signal generator for outputting unique control signals in response to corresponding audiocassette player commands” as disclosed in claims 8, 14, and 15.

Conclusion

The prior art made of record considered pertinent to applicant's disclosure, see PTO-892 form

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

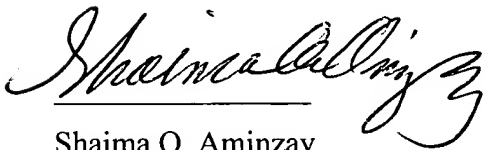
A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shaima Q. Aminzay whose telephone number is 571-272-7874. The examiner can normally be reached on 7:00 AM -4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mathew D. Anderson can be reached on 571-272-4177. The fax number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Shaima Q. Aminzay

(Examiner)

January 21, 2008



MATTHEW ANDERSON
SUPERVISORY PATENT EXAMINER